

CLUSTAL W (1.83) Multiple Sequence Alignments

Sequence format is Pearson

```
Sequence 1: 2      375 aa
Sequence 2: 4      376 aa
Sequence 3: 6      376 aa
Sequence 4: 8      374 aa
Sequence 5: 10     375 aa
Sequence 6: 12     375 aa
Sequence 7: 14     375 aa
Sequence 8: 16     375 aa
```

Start of Pairwise alignments

Aligning...

```
Sequences (1:2) Aligned. Score: 96
Sequences (1:3) Aligned. Score: 94
Sequences (1:4) Aligned. Score: 91
Sequences (1:5) Aligned. Score: 99
Sequences (1:6) Aligned. Score: 94
Sequences (1:7) Aligned. Score: 97
Sequences (1:8) Aligned. Score: 94
Sequences (2:3) Aligned. Score: 98
Sequences (2:4) Aligned. Score: 90
Sequences (2:5) Aligned. Score: 96
Sequences (2:6) Aligned. Score: 92
Sequences (2:7) Aligned. Score: 96
Sequences (2:8) Aligned. Score: 92
Sequences (3:4) Aligned. Score: 90
Sequences (3:5) Aligned. Score: 94
Sequences (3:6) Aligned. Score: 91
Sequences (3:7) Aligned. Score: 94
Sequences (3:8) Aligned. Score: 90
Sequences (4:5) Aligned. Score: 91
Sequences (4:6) Aligned. Score: 87
Sequences (4:7) Aligned. Score: 91
Sequences (4:8) Aligned. Score: 87
Sequences (5:6) Aligned. Score: 94
Sequences (5:7) Aligned. Score: 97
Sequences (5:8) Aligned. Score: 94
Sequences (6:7) Aligned. Score: 95
Sequences (6:8) Aligned. Score: 93
Sequences (7:8) Aligned. Score: 95
```

Guide tree file created: [/ebi/extserv/clustalw-work/interactive/2007040600/clust

Start of Multiple Alignment

There are 7 groups

Aligning...

```
Group 1: Sequences: 2      Score:8225
Group 2: Sequences: 2      Score:7991
Group 3: Sequences: 3      Score:8080
Group 4: Sequences: 5      Score:8024
Group 5: Sequences: 2      Score:8203
Group 6: Sequences: 7      Score:7946
Group 7: Sequences: 8      Score:7822
```

Alignment Score 63551

CLUSTAL-Alignment file created [/ebi/extserv/clustalw-work/interactive/2007040600/clustal